

ABRASION AND HEAT RESISTANT FABRICS

ABSTRACT OF THE DISCLOSURE

The present inventions introduce fabrics having an array of closely spaced, non-overlapping plates.

5 The inventive fabrics are both mechanically strong yet highly flexible and can be used in applications requiring a high degree of abrasion, wear, cut, tear, and puncture resistance, and optional, heat resistance. The inventive fabrics can be useful in

10 fabric applications such as gloves, garments, aprons, knee pads, luggage, tarps, and roofs for convertible cars.